





Pathology and Laboratory Medicine

Orderable - OSMU / OSMS

Turnaround Time: 2 hours STAT: 1 hour

Specimen:

Serum/Plasma:					
4.5 mL Green or 5 mL Gold top Vacutainer tube					
Urine:					
Random urine collected in a 10 mL yellow top urine tube					
with no additive					
Pediatric:					
0-2 years: 1 mL Red Microtainer					
2-10 years: 2 mL Red top tube					



Requisition:

Laboratory: Core Lab

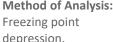
SERUM/ **PLASMA**

> **GENERAL LABORATORY REQUISITION**











Test Schedule: As required

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Collect urine sample in a 10 mL yellow top urine tube with no additive.

Collect blood aseptically in a Vacutainer tube.

A minimum volume of 1 mL is required for testing.

Reference Ranges:

Urine:	Serum/Plasma:		
300-900 mOsm/Kg	275-295 mOsm/Kg		

Interpretive Comments:

Useful in suspected poisoning with alcohol, methanol, ethylene glycol, acetone, isopropanol, diethyl ether or paraldehyde.

Comparing serum and urine osmolalities may help to determine the cause of polyuria, to diagnose SIADH and to distinguish 'pre-renal' from 'renal' causes of impaired renal function.